

AERO. ★ Q55 89-214952/30 ★ FR 2624-211-A
Variable-pitch windmill - has vanes equipped with shafts, levers and
springs for automatic pitch variation by centrifugal force

AEROWATT INT 04.12.87-FR-016861

(09.06.89) F03d-07/04

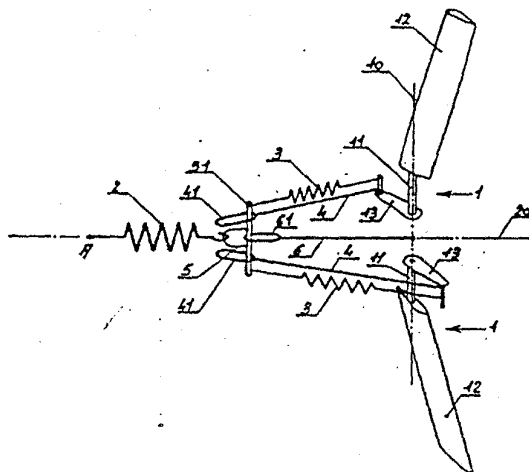
04.12.87 as 016861 (1439MM)

The windmill has vanes (1) which rotate about a horizontal axis (20) and are able to pivot, when in operation, by the effect of centrifugal force and against the effort of springs (2,3), automatically reducing its pitch as the wind speed rises.

This is achieved by means of a shaft (11) on the inner end of each vane and perpendicular to the axis of rotation, equipped with a lever (13) at right angles to that axis, which is connected to one of the springs. As the wind speed drops again, the springs return the vanes to their initial positions, increasing the pitch.

ADVANTAGE - Adjusts automatically to wind speed. (12pp
Dwg.No.1/2)

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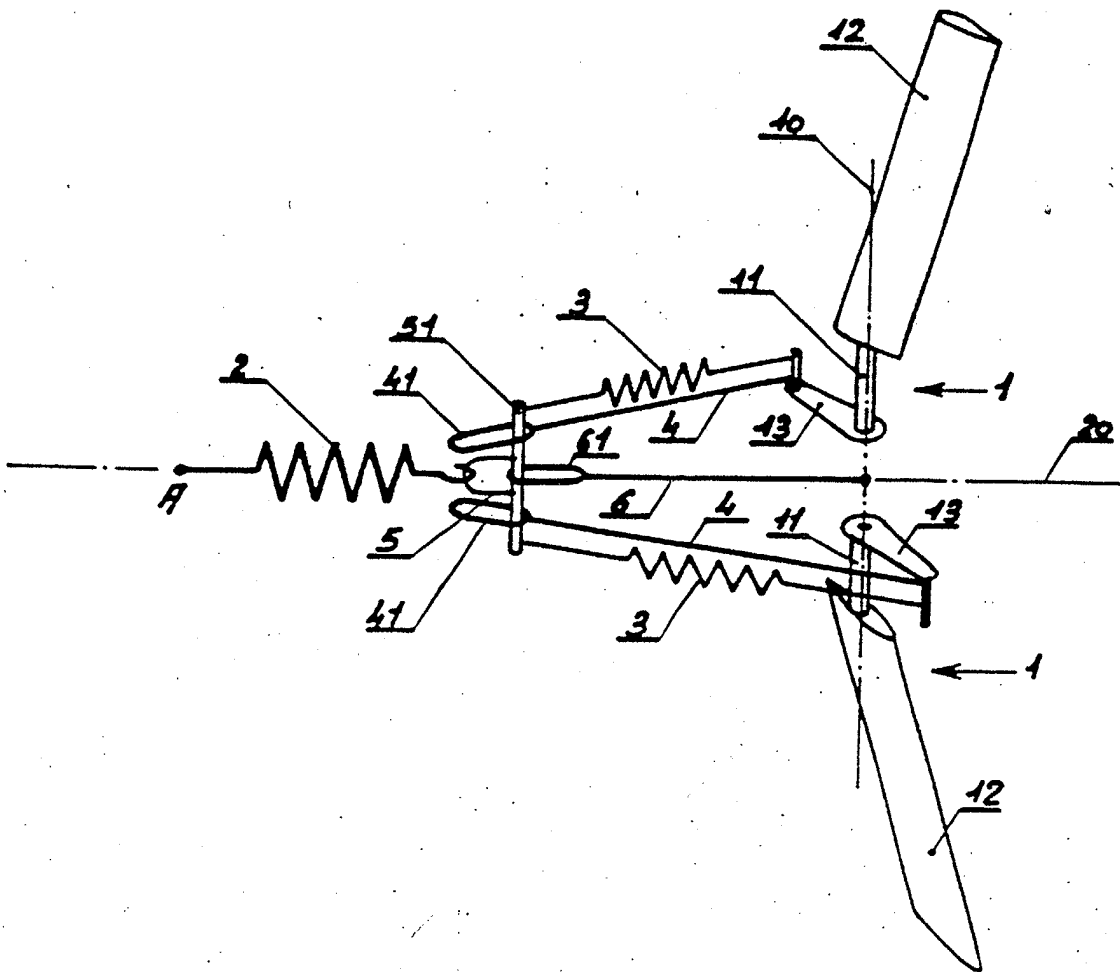


FIG. 1

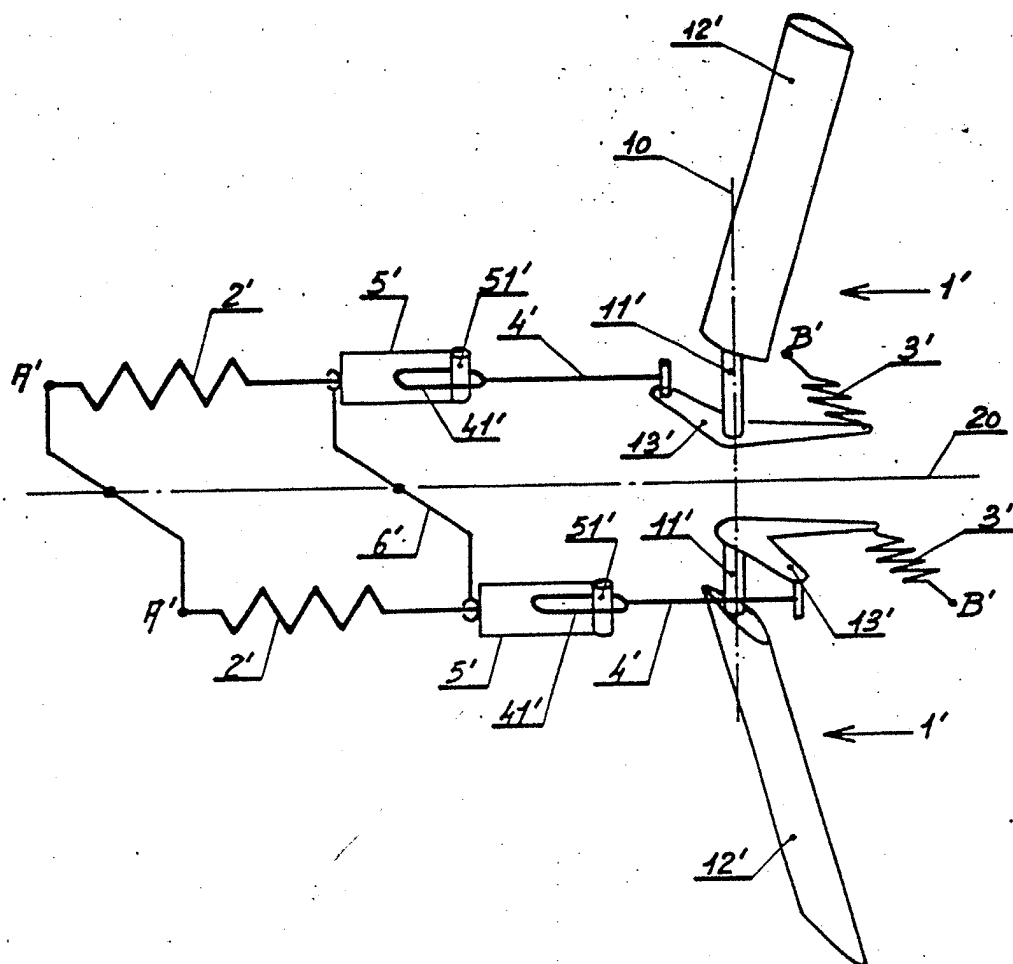


FIG.2